ABELL-HOWE
RUNWAY SYSTEM

WWW.ABELLHOWE.COM
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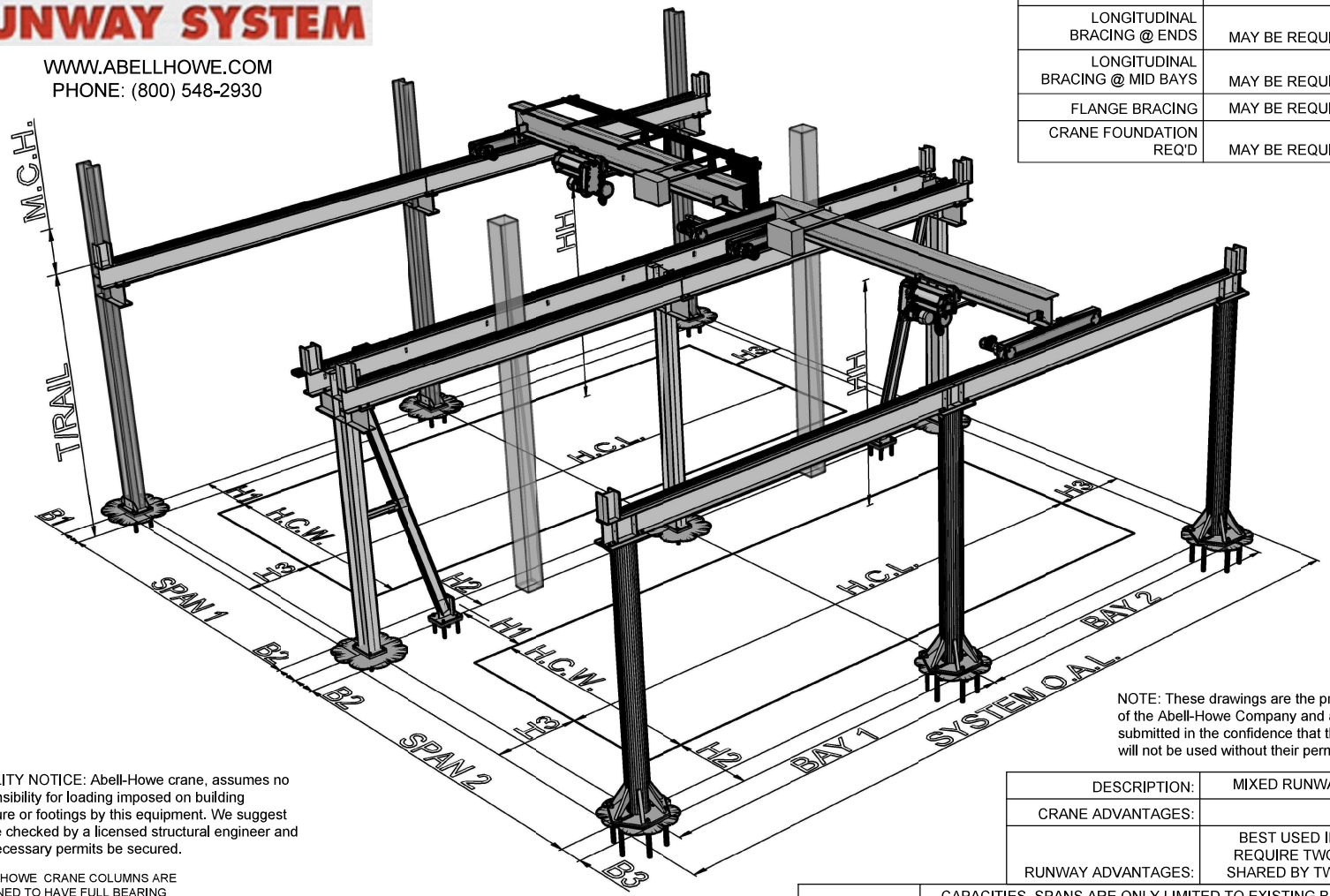
CMAA
CRANE MANUFACTURERRS ASSOCIATION OF AMERICA, INC. MEMBER COMPANY

HOOK COVERAGES ARE BASED ON CRANE DIMENSIONS AND CLEARANCES WITH SUPPORT STRUCTURE AND ELECTRIFICATION SYSTEMS AND CAN VARY.

RUNWAY SYSTEM TYPE:	TYPE 9
CRANE TYPE:	TOP RUNNING
TIE BACK TO BUILDING	MAY BE REQUIRED
TYPE OF LATERAL BRACING	MAY BE REQUIRED
LONGITUDINAL BRACING @ ENDS	MAY BE REQUIRED
LONGITUDINAL BRACING @ MID BAYS	MAY BE REQUIRED
FLANGE BRACING	MAY BE REQUIRED
CRANE FOUNDATION REQ'D	MAY BE REQUIRED



SPAN 1 CRANE SYSTEM	
SPAN 1	
B1	
B2	
T/RAIL (TOP OF RAIL)	
M.C.H.(MAX CRANE HEIGHT)	
HH (HOOK HEIGHT)	
H1	
H2	
H3	
H.C.L. (HOOK COVERAGE LENGTH)	
H.C.W. (HOOK COVERAGE WIDTH)	
SPAN 2 CRANE SYSTEM	
SPAN 2	
B2	
B3	
T/RAIL (TOP OF RAIL)	
M.C.H.(MAX CRANE HEIGHT)	
HH (HOOK HEIGHT)	
H1	
H2	
H3	
H.C.L. (HOOK COVERAGE LENGTH)	
H.C.W. (HOOK COVERAGE WIDTH)	
CRANE SYSTEM 1 & 2	
SYSTEM O.A.L. (OVER ALL LENGTH)	
BAY 1	
BAY 2	
ADDITIONAL BAYS	

LIABILITY NOTICE: Abell-Howe crane, assumes no responsibility for loading imposed on building structure or footings by this equipment. We suggest this be checked by a licensed structural engineer and any necessary permits be secured.

ABELL HOWE CRANE COLUMNS ARE DESIGNED TO HAVE FULL BEARING SUPPORT UNDERNEATH THE BASE PLATE. THE USE OF THE MINIMUM 1 1/2" THICK NON SHRINK GROUTS IS CRITICAL WHEN THE FOUNDATION SURFACE IS NOT EVEN OR LEVEL. WHEN GROUTING IS NOT USED, IT IS THE CUSTOMER'S RESPONSIBILITY TO ENSURE THAT THE FOUNDATION SURFACE IS LEVEL AND SMOOTH AS WELL AS MAKING SURE THERE IS FULL BEARING SUPPORT UNDERNEATH THE BASE PLATE.

DESCRIPTION:	MIXED RUNWAY SYSTEMS (FREESTANDING OR TIEBACKED OR BOTH)
CRANE ADVANTAGES:	MAX HOOK HEIGHT CAN BE ACHIEVED
RUNWAY ADVANTAGES:	BEST USED IN BUILDINGS THAT HAVE A MIDDLE COLUMN AND THAT REQUIRE TWO RUNWAY SYSTEMS OR MORE. THE CRANE COLUMN IS SHARED BY TWO RUNWAYS AT THE MIDDLE COLUMN REDUCING COST.
LIMITATIONS:	CAPACITIES, SPANS ARE ONLY LIMITED TO EXISTING BUILDING STRUCTURE STRENGTH, FLOOR STRENGTH AND DIMENSIONS.
COMMENTS:	BUILDING SUPPORT STRUCTURE AND FLOOR STRENGTH MUST BE ANALYZED FOR CRANE FORCES. MOST BUILDINGS CAN RESIST LATERAL FORCES FOR 5 TON CRANES AND CAN BE PLACED ON EXISTING FLOORS.
ENGINEERING:	BUILDING STRUCTURE ANALYSIS CAN BE PROVIDED BY ABELL-HOWE OR CRANE LOADS PROVIDED TO BUILDING MANUFACTURER
INSTALLATION:	STANDARD TIEBACKS ARE WELDED TO BUILDING STRUCTURE. ENGINEERED CLAMPED TIEBACKS ARE AVAILABLE. GROUTING OF COLUMNS IS REQUIRED FOR LEVELING AND FULL BEARING SUPPORT.